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Short Communication

"A" – Two way device

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ABSTRACT

As Orthodontists, the most common procedure we practise on a daily basis is Bonding. As we all know bracket positioning is very important for getting a desired result in correction of malocclusion. The instrument used in the procedure is known as Boone guage. This instrument assures the clinician to properly position the brackets during the bonding procedure.
The other instrument which is used popularly to engage the modules/O- rings in a crowded or severly malaligned arch is Tucker. If these two instrument are purchased can cost approximately Rupees five hundred to two thousand.Since the introduction of novel severe acute respiratory syndrome coronavirus -2 and its spread through the world, dentist, in general are at high risk. So sterilization is of utmost importsance and instead of sterilizing two intrument, here we can do it on one which is timesaving and user friendly.
The concept of fabricating this instrument is avoid buying costly instrument. The spatula used for fabrication is plastic and is safe for use and can be sterilized.

1. Introduction

As Orthodontists, the most common procedure we practise on a daily basis is Bonding. As we all knowproper and accurate bracket positioning is very important for getting a desired result in correction of malocclusion. The instrument used in the procedure is known as Boone guage.It helps the clinician to locate the correct area for bracet positioning and thus assures the clinician to properly position the brackets during the bonding procedure.

In routine orthodontic practise we use nickel titanium wire for aligning dentition and it is often difficult or cummersome to do it. So, we use a tucker to perform the desired task. Tucker is a two sided instrument which has a central notch on either side to engage the archwire onto the bracet slot while ligating.[1]

Since the introduction of novel severe acute respiratory syndrome coronavirus -2 and its spread through the world,dentist, in general are at high risk. So sterilization is of utmost importance and instead of sterilizing two instrument, here we can do it on one which is timesaving and user friendly.

In these innovation we have tried to design an instrument which can perform the work of both the instruments and can be made or fabricated very easily by all. The cost for fabricating this device is suprisingly very cheap.[2,3]

2. Armamentarium

1. Agate Spatula
2. Hand piece and straight bur
3. Surgical blade with handle
4. Markers (4 colours)

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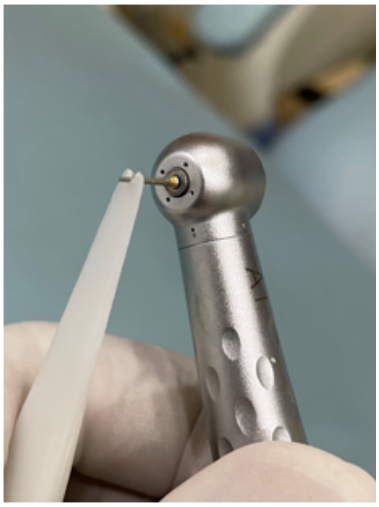

Figure 1:

Figure 2:

Figure 3:

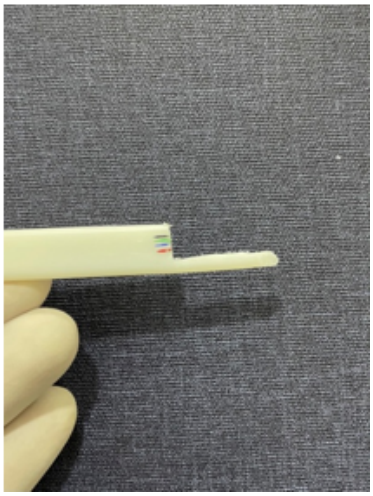

Figure 4:

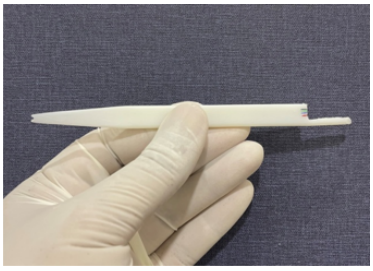

Figure 5:

Figure 6:

3. Steps in Construction

An Agate spatula is taken and a small cut is placed at the conical edge or tip of the spatula(Figure 1). The other blunt area/side of the spatula is cut in a 90 degree pattern. With the help of a straight bur (Figure 2). Surgical blade is used to make the cut surface smooth(Figure 3). With the help of marker, the marings as seen in Boone guage are done(Figure 4).

Once done, the instrument is ready to use with two ends working as Tucker and the other as Boone guage independently as shown in Figure 5. Clinical implication is seen in Figure 6.

4. Advantage

1. Very cost effective
2. Can be autoclaved
3. Is easy to fabricate
4. Light weight

5. Source of Funding

None.

6. Conflict of Interest

None.

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